STATEMENT OF BASIS

TOWN OF PE ELL NPDES PERMIT NO. WA0020192

The purpose of this Statement of Basis is to explain the need to modify the Permit to correct a calculation error for the effluent loading for five-day Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS).

I. GENERAL INFORMATION

A. <u>Permittee</u>: Town of Pe Ell

P.O. Box 215

Pe Ell, Washington 98572

B. <u>Discharge Locations</u>: Chehalis River Mile 105.5

Latitude: 46° 34' 48" N Longitude: 123° 17' 56" W

II. REQUEST FOR MODIFICATION:

A mathematical error was made in calculating the loading limits for BOD and TSS that requires correction. The current permit includes effluent loading limits for BOD and TSS of 23.4 lbs/day monthly average and 35.1 lbs/day weekly average. Calculation of these limits (on page 6 of the Fact Sheet) were inaccurate. The calculation of the loading limit based flow should have been 0.78 MGD X 30 mg/l X 8.34 conversion factor = 195 lbs/day (not 23.4 lbs/day). When calculated correctly, this number is higher than 15 percent of the design capacity and therefore is not controlling. The proper monthly and weekly loading limit calculations are therefore: 255 lbs/day design capacity X 0.15 = 38.2 lbs/day monthly average and 1.5 X 38.2 lbs/day = 57.4 lbs/day weekly average. However, under the Chehalis River TMDL, Pe Ell's BOD is limited to a load allocation of 48.5 lbs/day during the critical season (May through October). So the weekly limit must be lowered to 48.5 lbs/day from May through October.

Permit Section S1.A will be modified from:

	EFFLUENT LIMITATIONS*: OUTFALL # 001	
Parameter	Average Monthly	Average Weekly
Biochemical Oxygen Demand ^b (5 day)	30 mg/L, 23.4 lbs/day 85% Removal	45 mg/L, 35.1 lbs/day
Total Suspended Solids ^b	30 mg/L, 23.4 lbs/day 85% Removal	45 mg/L, 35.1 lbs/day

to the following:

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	EFFLUENT LIMITATIONS ^a : OUTFALL # 001	
Parameter	Average Monthly	Average Weekly
Biochemical Oxygen Demand ^b (5 day)	30 mg/L, 38.2 lbs/day 85% Removal	45 mg/L, 57.4 lbs/day (November 1-April 30) 45 mg/L, 48.5 lbs/day (May 1-October 31)
Total Suspended Solids ^b	30 mg/L, 38.2 lbs/day 85% Removal	45 mg/L, 57.4 lbs/day (November 1-April 30) 45 mg/L, 48.5 lbs/day (May 1-October 31)

This Statement of Basis will serve as an amendment to the Fact Sheet and Permit.